CLAIMS

1. A method for timing a change of diversity weights in a radio connection between a base station and a terminal, comprising the steps of:
- selecting a response timing mode from a number of predefined response timing modes,
- informing the terminal about the selected response timing mode,
- receiving an initiation from the terminal and
- responding to said initiation by changing certain diversity weights so that the exact moment of time for effecting the change is determined by said selected response timing mode.

2. A method according to claim 1, wherein the step of selecting a response timing mode comprises the substeps of:
- measuring a propagation delay between the base station and the terminal and
- mapping the measured propagation delay into a certain response timing mode.

3. A method according to claim 1, wherein the step of selecting a response timing mode comprises the substep of selecting a response timing mode based on the cell size of the base station.

4. A method according to claim 1, wherein the step of selecting a response timing mode comprises the substep of selecting a response timing mode based on the processing capacity of the base station.

5. A method according to claim 1, wherein the steps of receiving an initiation from the terminal and responding to said initiation by changing certain diversity weights comprise the substeps of:
- receiving said initiation from the terminal in a certain j:th time slot and
- effecting the change of diversity weigths in either the (j+1) mod M :th time slot or the (j+2) mod M :th time slot depending on which of of two predefined response timing modes has been selected, where M is the length of the cycle in a cyclic numbering scheme of time slots.

6. An arrangement for timing a change of diversity weights in a radio connection between a base station and a terminal, comprising:
- means for selecting a response timing mode from a number of predefined response timing modes,
- means for informing the terminal about the selected response timing mode,

- means for receiving an initiation from the terminal and
- means for responding to said initiation by changing certain diversity weights so that the exact moment of time for effecting the change is determined by said selected response timing mode.